

NAEP in Montana

MT NAEP Students in relation to variables

Cognitive Data

Science Average Scale Score ranges from 0 to 300. **SCIENCE Grade 8 2011**

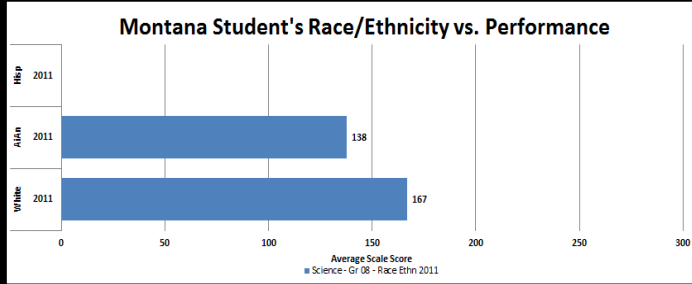


Figure 1. Montana Student's Race/Ethnicity vs. Performance. This chart depicts the Average Scale Scores for Ethnic groups (White, American Indian/Alaska Native and Hispanic) in MT.

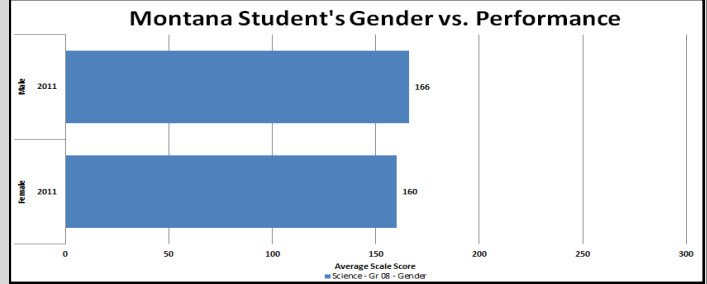


Figure 3. Montana Student's Gender vs. Performance. This chart depicts the Average Scale Scores for male and female students in MT.

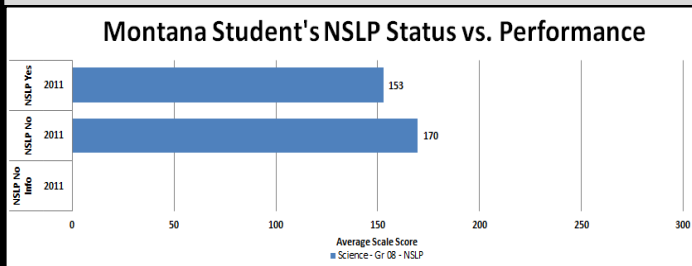


Figure 2. Montana Student's NSLP Status vs. Performance. This chart depicts the Average Scale Scores for NSLP students in MT.

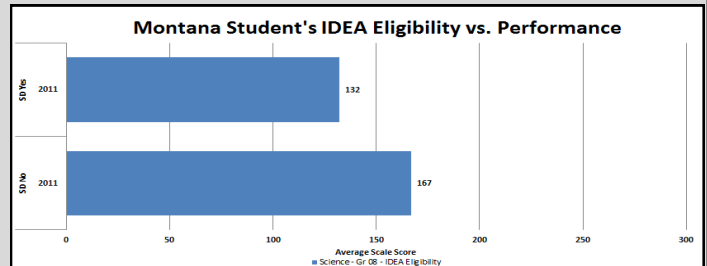


Figure 4. Montana Student's IDEA Eligibility vs. Performance. This chart depicts the Average Scale Scores Students with Disabilities (SD) in MT.

Montana vs. National Public

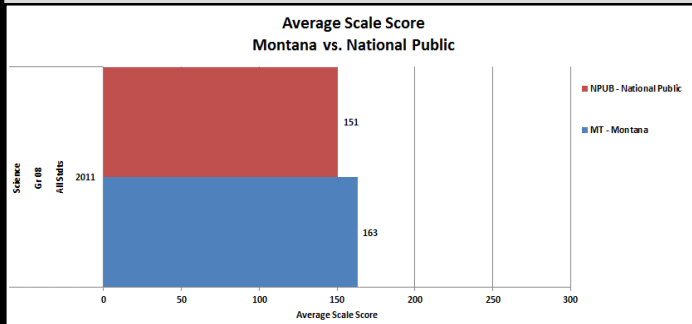


Figure 5. Montana (MT) versus the National Public (NPUB). This chart depicts the average scale scores for MT students and the N PUB.

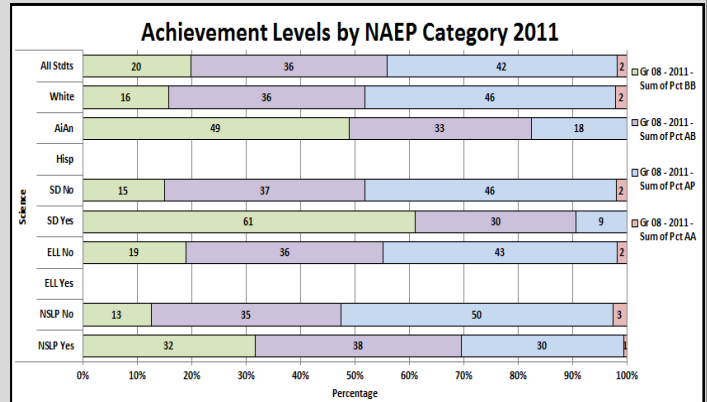


Figure 6. Achievement Levels by NAEP Category. This chart depicts the percent of students below Basic (BB), at Basic (AB), at Proficient (AP) and at Advanced (AA) in MT.

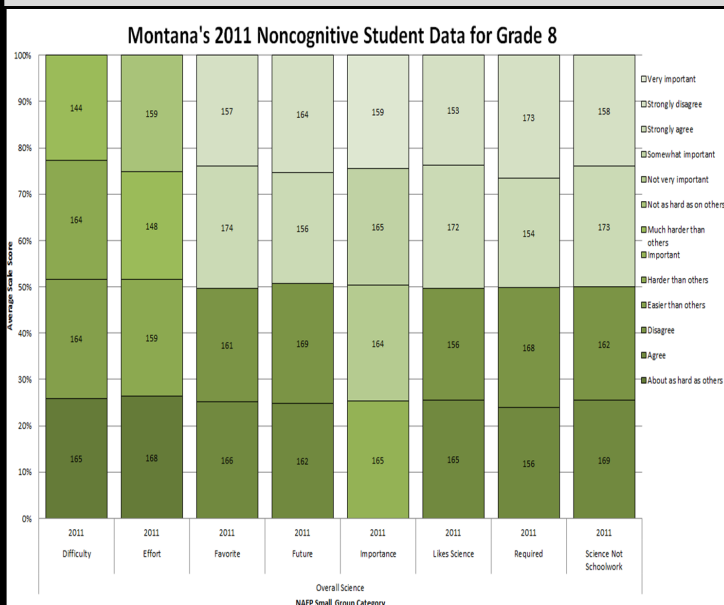
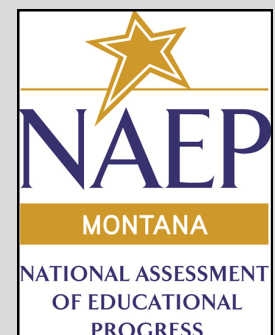


Figure 7. (Left) Average scale score performance versus NAEP Small Group Category. This chart depicts the student factors: *Difficulty, Effort, Favorite, Importance, Likes Science, Required and Science Not for Schoolwork.*



Ashley McGrath
NAEP State Coordinator
Office of Public Instruction
amcgrath@mt.gov

Montana Science Grade 8 2011

Group Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
White	Race Ethn 2011*	167	84	16	36	46	2	84	48
Hisp	Race Ethn 2011*		3						
AiAn	Race Ethn 2011*	138	10	49	33	18		51	18
NSLP Yes	NSLP*	153	38	32	38	30	1	68	30
NSLP No	NSLP*	170	62	13	35	50	3	87	52
NSLP No Info	NSLP*								
Male	Gender	166	51	19	33	46	2	81	49
Female	Gender	160	49	21	40	38	1	79	39
SD Yes	IDEA Eligibility*	132	10	61	30	9		39	9
SD No	IDEA Eligibility*	167	90	15	37	46	2	85	48
Montana Science Grade 8 2011-Achievement Levels									
Group Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
ELL Yes	English Lang Lnr*		2						
ELL No	English Lang Lnr*	164	98	19	36	43	2	81	45
HS Grad No	Parent Educ	149	4	37	40	23		63	24
HS Grad Yes	Parent Educ	150	16	34	39	27		66	27
Some Higher Ed	Parent Educ	163	19	17	41	41	1	83	42
Grad College	Parent Educ	170	54	13	33	51	3	87	54
Ed Unknown	Parent Educ	151	7	36	36	28		64	28
City	Schl Loc	163	24	20	39	39	2	80	41
Suburb	Schl Loc		1						
Town	Schl Loc	163	34	20	37	42	2	80	43
Rural	Schl Loc	164	40	20	33	45	2	80	47
Juris Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
MT	All students*	163	100	20	36	42	2	80	44
NPUB	All students	151	100	36	34	29	2	64	31

Note: detail may not sum to totals because of rounding

* = used for calculating achievement levels

Montana (All Students) Science Grade 8 2011

Subject	Grade	Response	NAEP Small Group	Avg. scale score	PctTested
Science	Gr 08	Easier than others	Difficulty	164	38
Science	Gr 08	About as hard as others	Difficulty	165	43
Science	Gr 08	Harder than others	Difficulty	164	16
Science	Gr 08	Much harder than others	Difficulty	144	4
Science	Gr 08	Not as hard as on others	Effort	159	13
Science	Gr 08	About as hard as others	Effort	168	62
Science	Gr 08	Harder than others	Effort	159	19
Science	Gr 08	Much harder than others	Effort	148	7
Science	Gr 08	Strongly disagree	Likes Science	153	10
Science	Gr 08	Disagree	Likes Science	156	21
Science	Gr 08	Agree	Likes Science	165	50
Science	Gr 08	Strongly agree	Likes Science	172	19
Science	Gr 08	Strongly disagree	Science Not Schoolwork	158	22
Science	Gr 08	Disagree	Science Not Schoolwork	162	47
Science	Gr 08	Agree	Science Not Schoolwork	169	27
Science	Gr 08	Strongly agree	Science Not Schoolwork	173	4
Science	Gr 08	Not very important	Importance	164	9
Science	Gr 08	Somewhat important	Importance	165	30
Science	Gr 08	Important	Importance	165	39
Science	Gr 08	Very important	Importance	159	22
Science	Gr 08	Strongly disagree	Favorite	157	20
Science	Gr 08	Disagree	Favorite	161	33
Science	Gr 08	Agree	Favorite	166	33
Science	Gr 08	Strongly agree	Favorite	174	14
Science	Gr 08	Strongly disagree	Future	164	11
Science	Gr 08	Disagree	Future	169	35
Science	Gr 08	Agree	Future	162	40
Science	Gr 08	Strongly agree	Future	156	13
Science	Gr 08	Strongly disagree	Required	173	18
Science	Gr 08	Disagree	Required	168	40
Science	Gr 08	Agree	Required	156	28
Science	Gr 08	Strongly agree	Required	154	14